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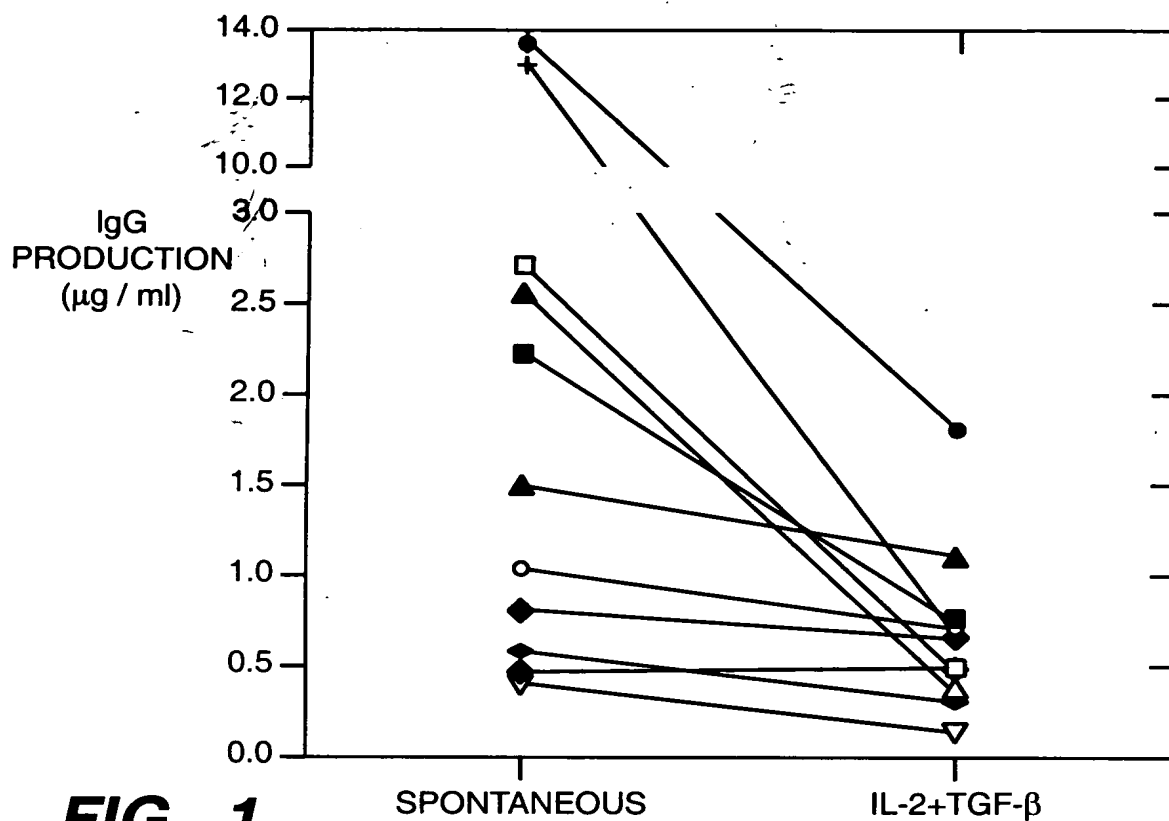


FIG.\_1

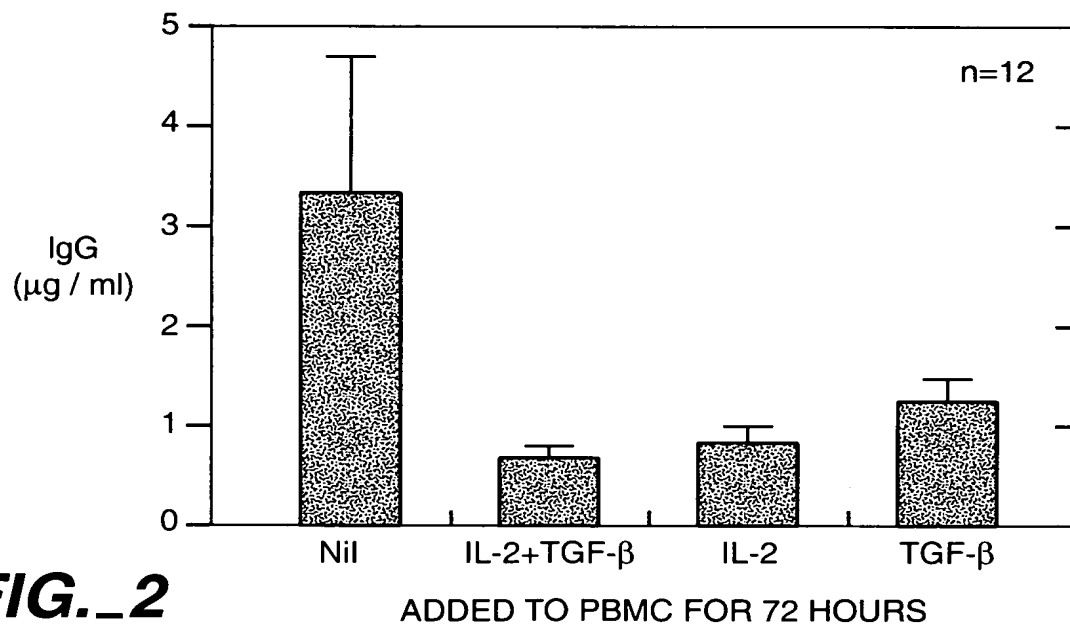
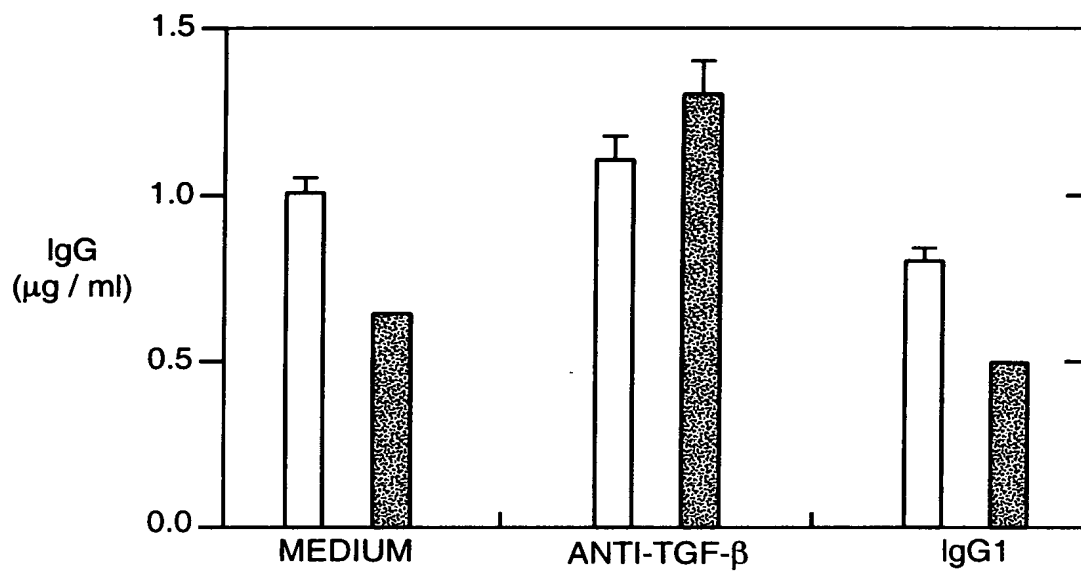
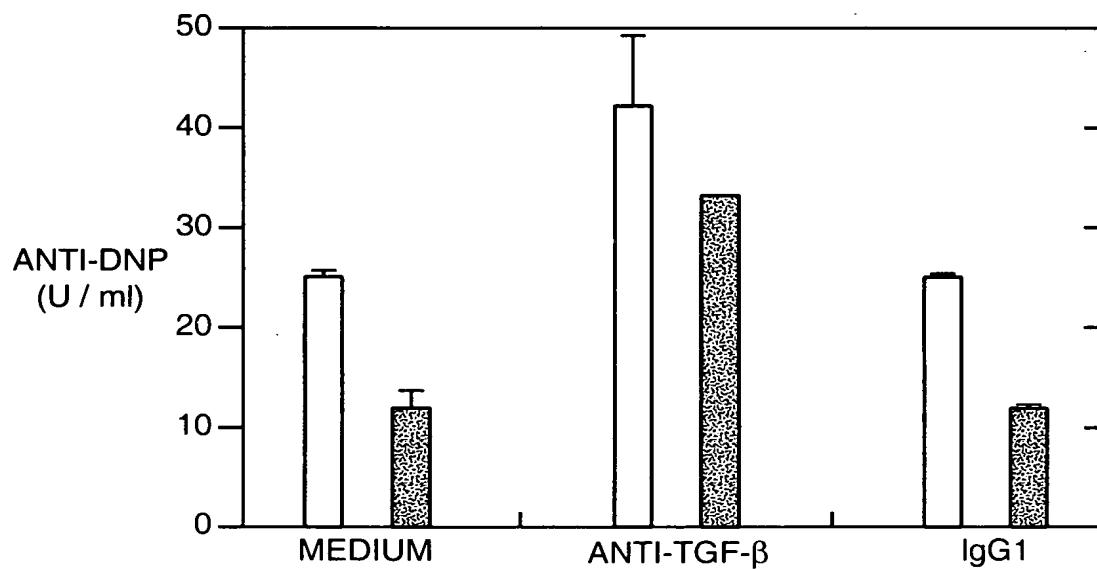


FIG.\_2

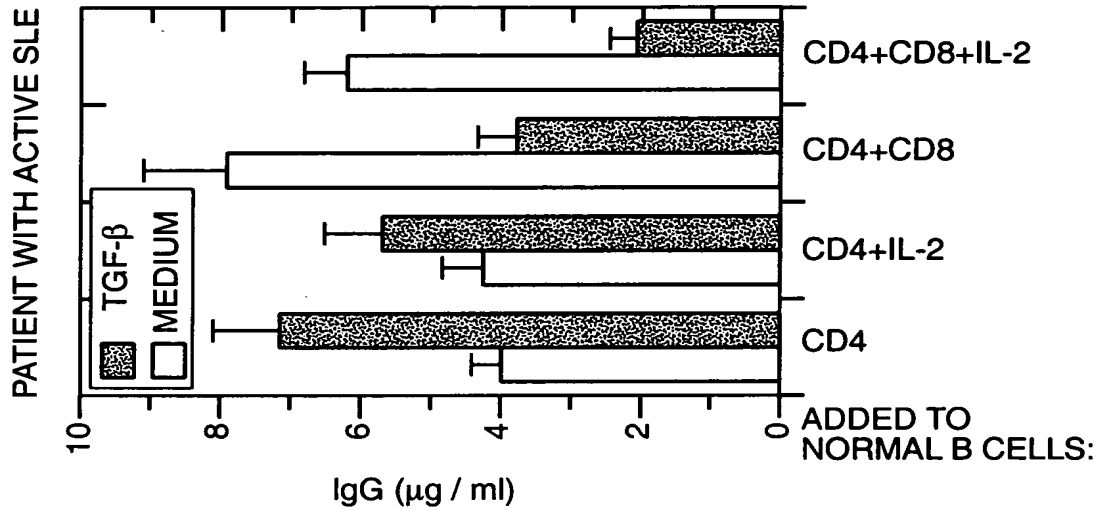
**FIG.\_3A****FIG.\_3B**



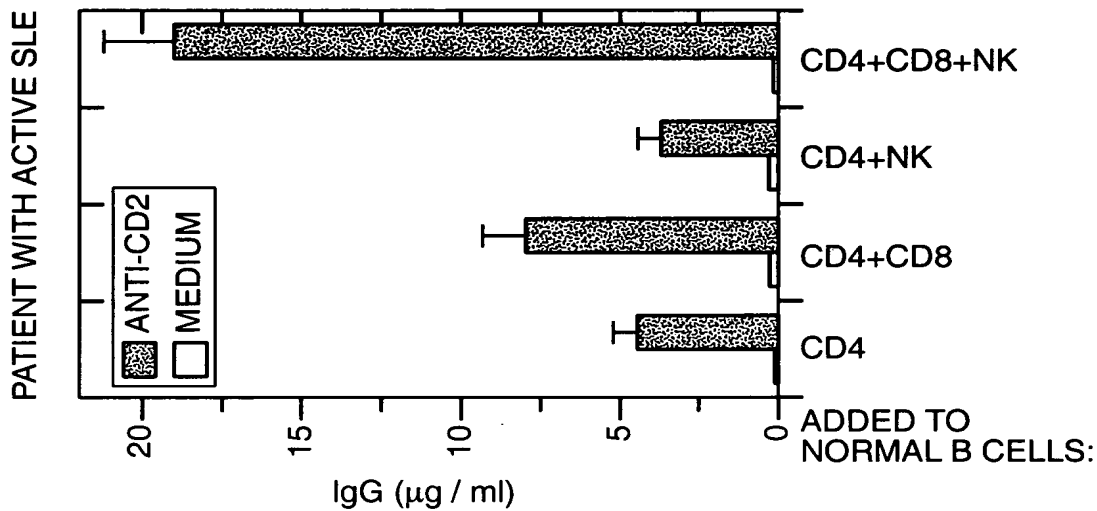
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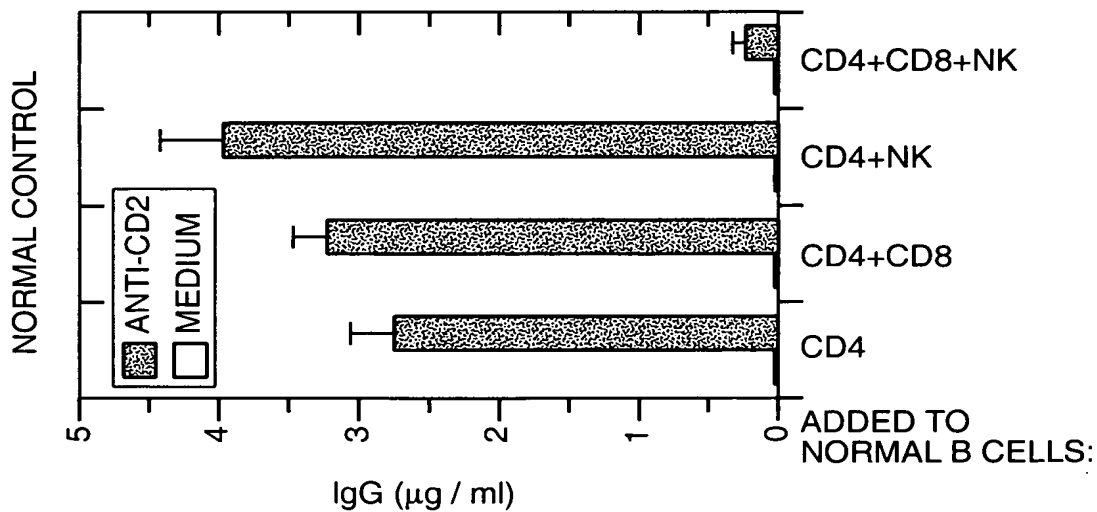
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**FIG.\_4C**



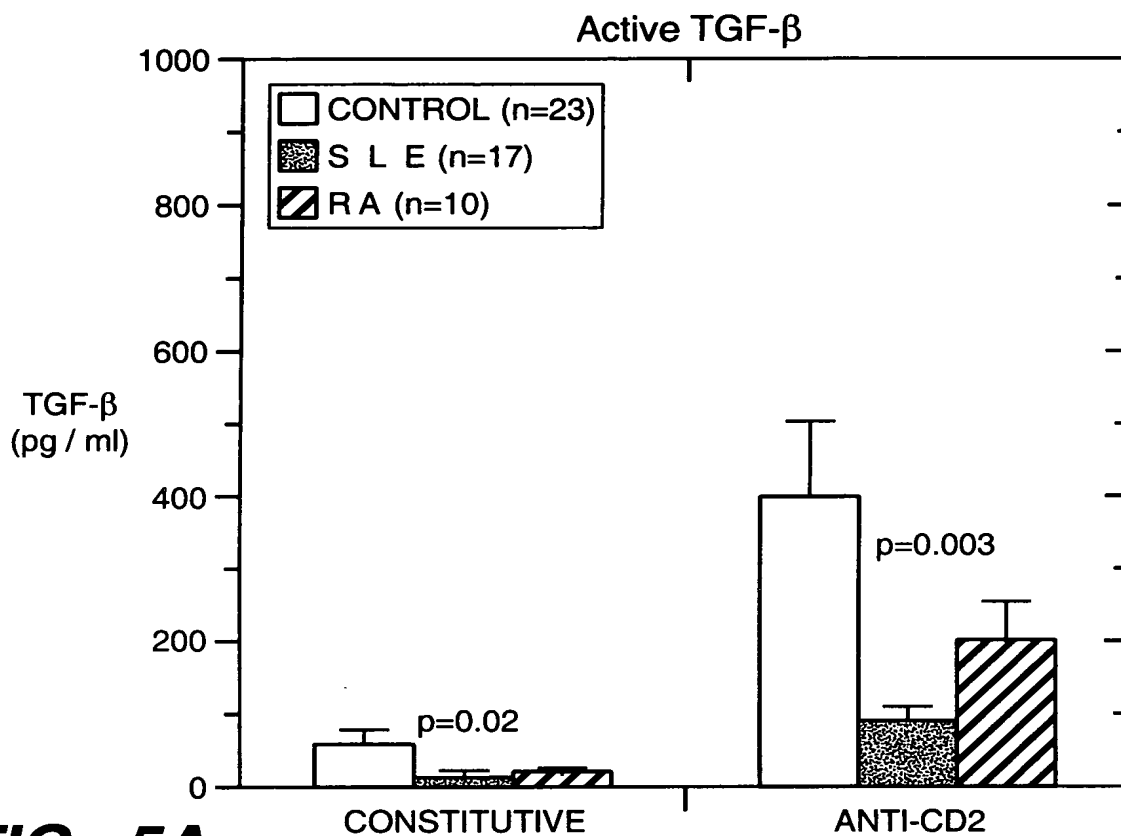
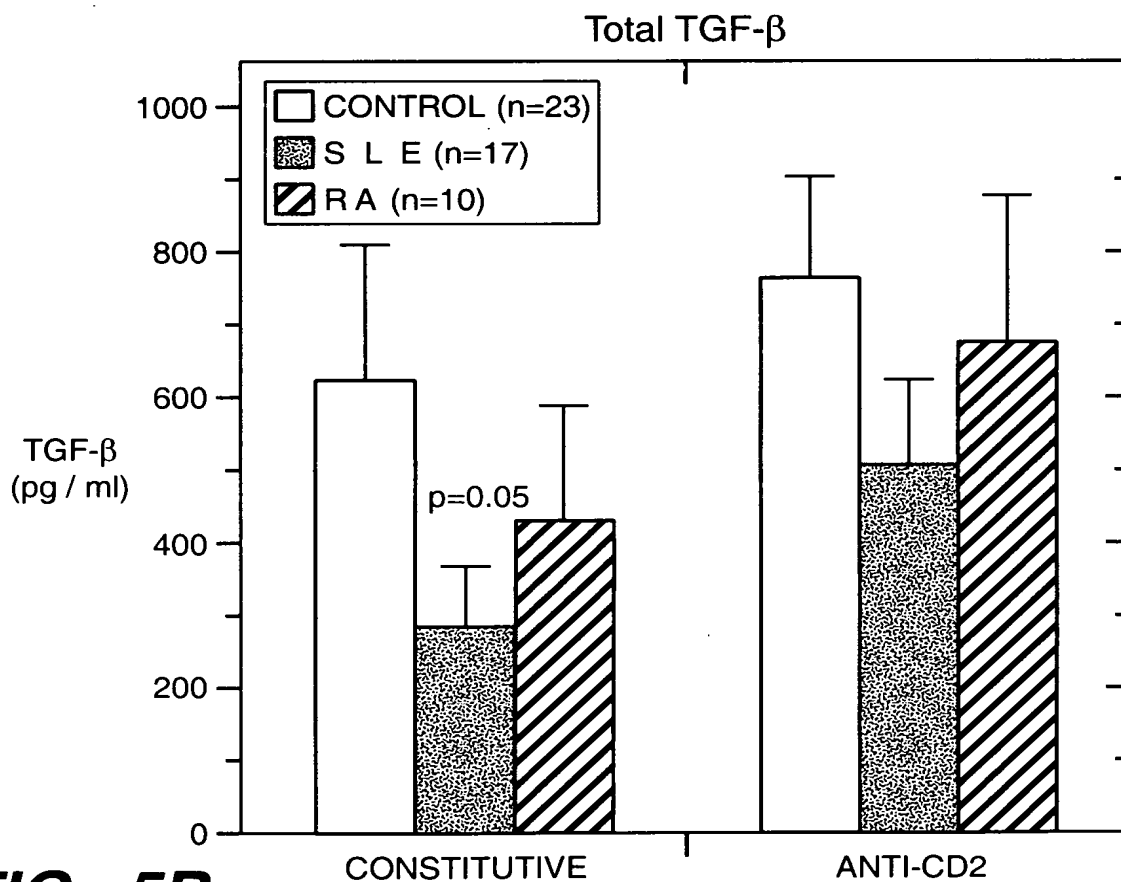
**FIG.\_4B**



**FIG.\_4A**



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**FIG.\_5A****FIG.\_5B**

**IL-10**



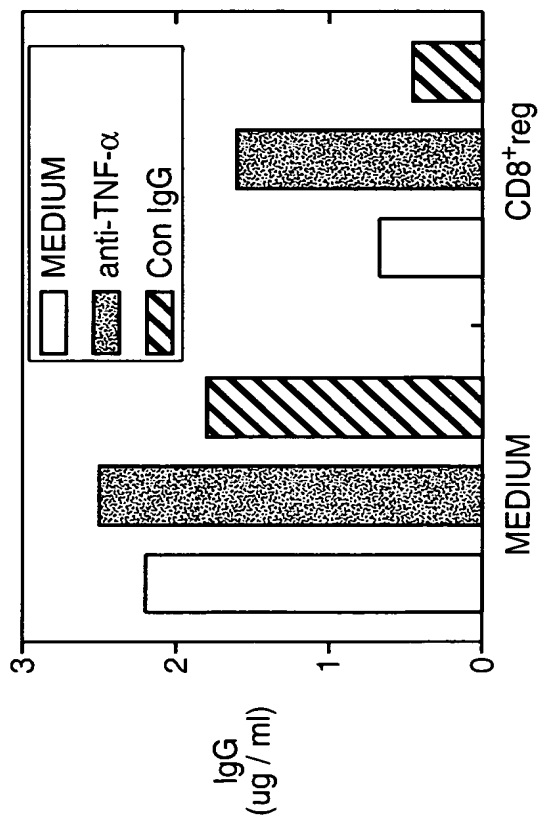
**TNF- $\alpha$**



TNF- $\alpha$  is an essential intermediate for the generation of regulatory T cells by TGF- $\beta$

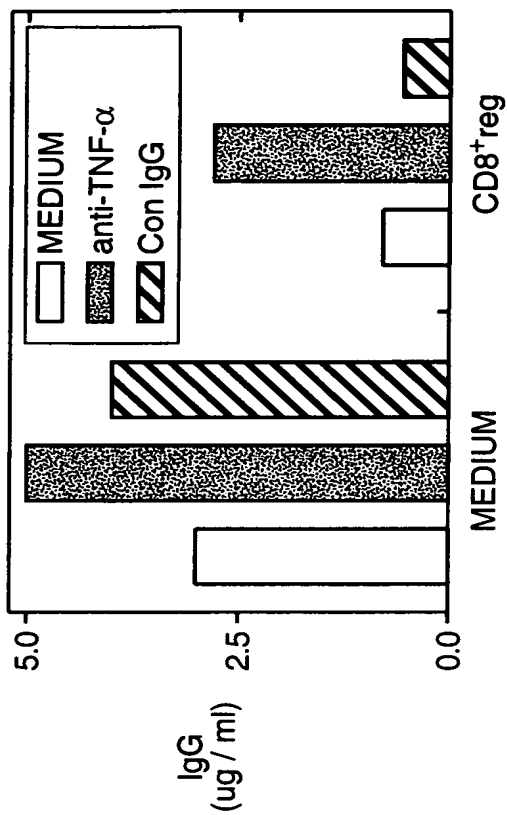
TNF- $\alpha$  is an essential intermediate for the generation of regulatory T cells by TGF- $\beta$

# Exp 1



**FIG. 7A**

## Exp 2



**FIG. 7B**

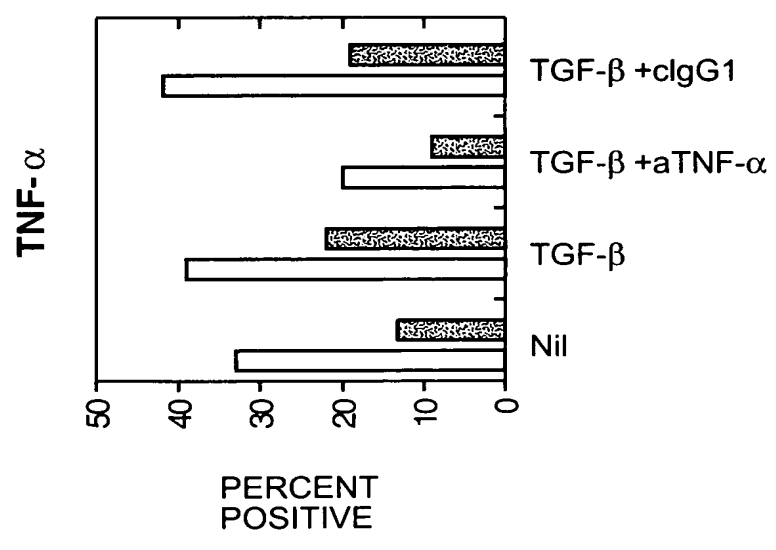
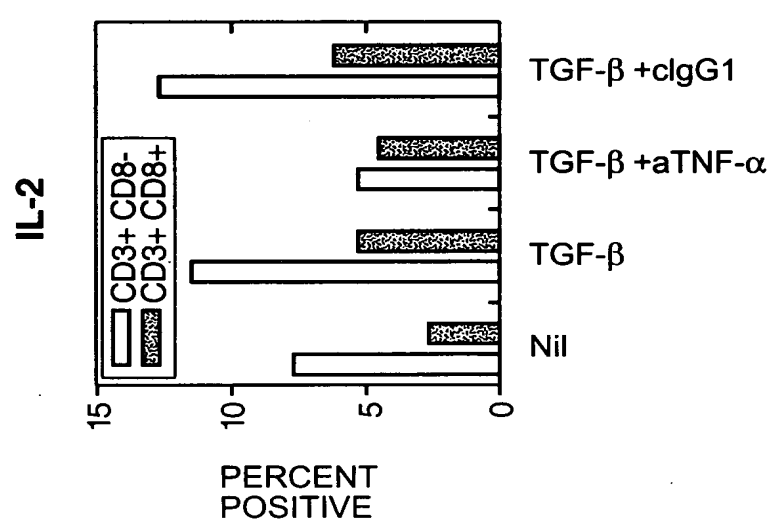
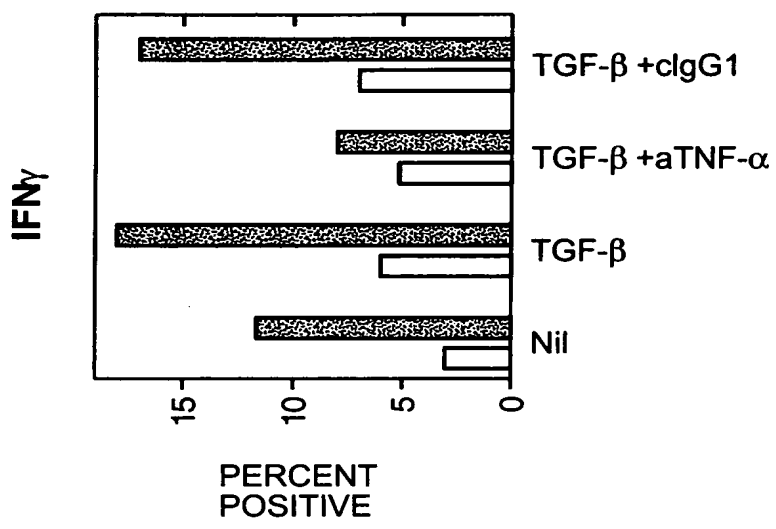


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Enhanced production of Th1  
cytokines by TGF- $\beta$  primed  
T cells is dependent  
upon TNF- $\alpha$

Enhanced production of Th1  
cytokines by TGF- $\beta$  primed  
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Enhanced production of Th1  
cytokines by TGF- $\beta$  primed  
T cells is dependent  
upon TNF- $\alpha$



**FIG.-8C**

**FIG.-8B**

**FIG.-8A**

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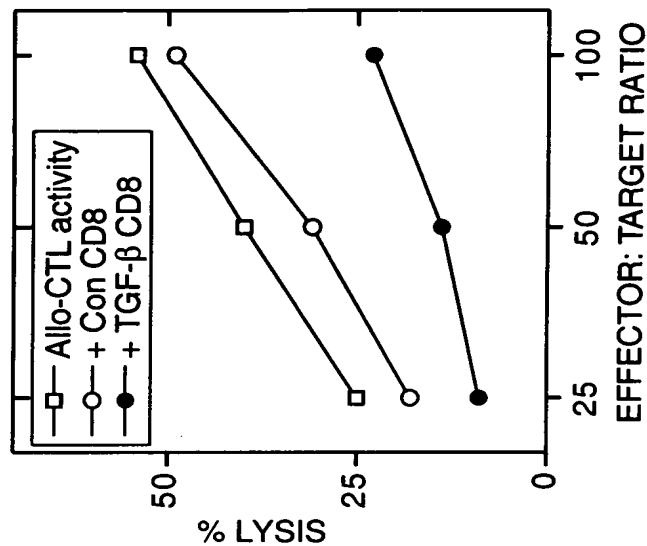
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Effect of TGF- $\beta$  on various  
T cell subsets in  
the generation of  
suppressors  
of cytotoxic T cell activity

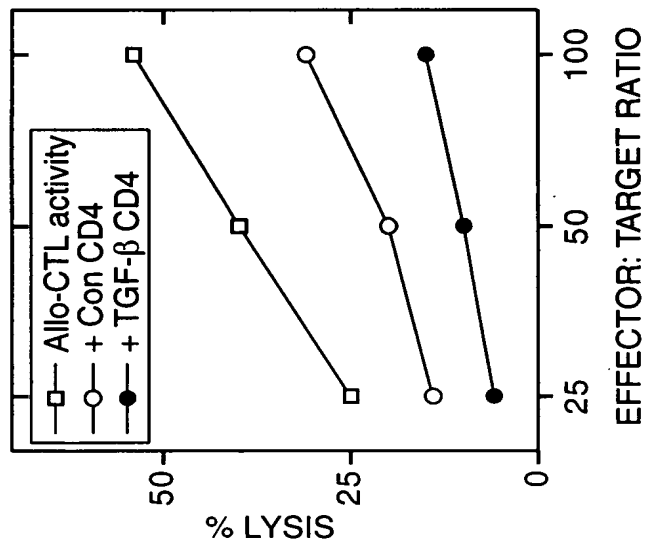
Effect of TGF- $\beta$  on various  
T cell subsets in  
the generation of  
suppressors  
of cytotoxic T cell activity

Effect of TGF- $\beta$  on various  
T cell subsets in  
the generation of  
suppressors  
of cytotoxic T cell activity

CD8 CD45RA



CD4 CD45RO



CD4 CD45RA

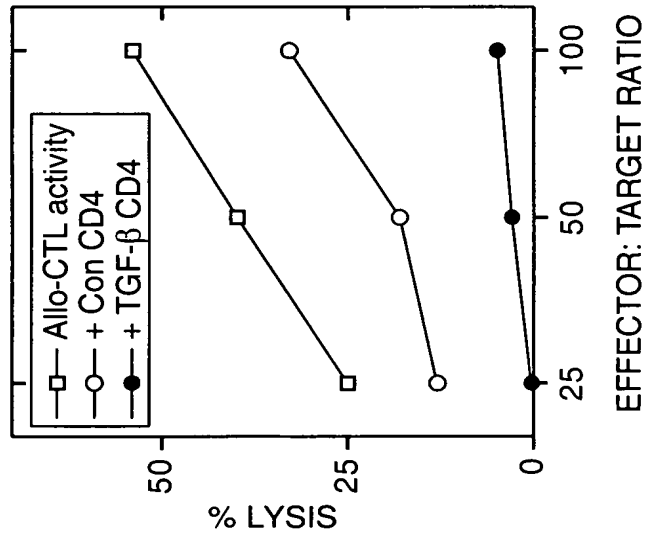


FIG.\_9C

FIG.\_9B

FIG.\_9A

+



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Effect of CD4 cells primed  
with TGF- $\beta$  (CD4reg)  
on Allo-CTL activity

Exp 2

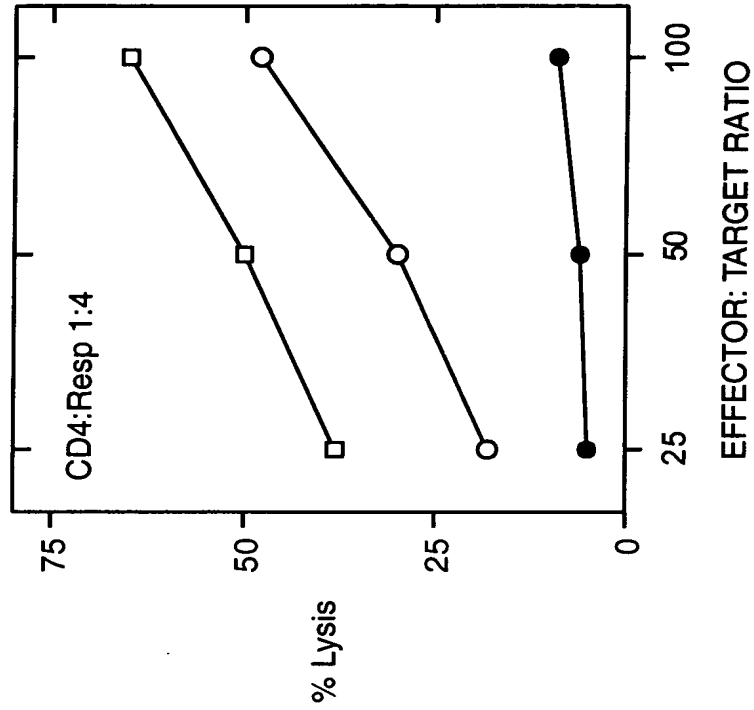


FIG.. 10B

Effect of CD4 cells primed  
with TGF- $\beta$  (CD4reg)  
on Allo-CTL activity

Exp 1

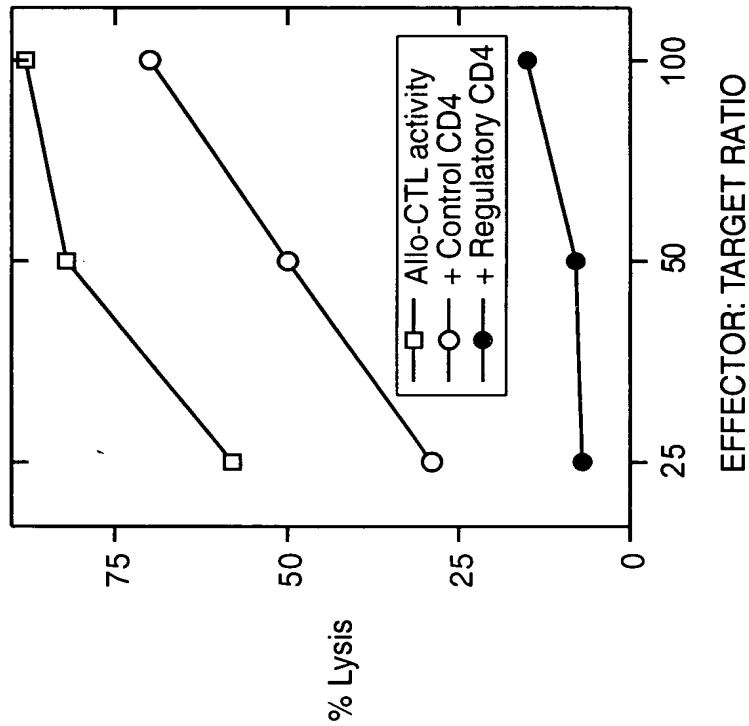


FIG.. 10A



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CD4 regulatory T cells require  
cell contact to inhibit  
cytotoxic T lymphocyte activity

Separated from  
Effector cells

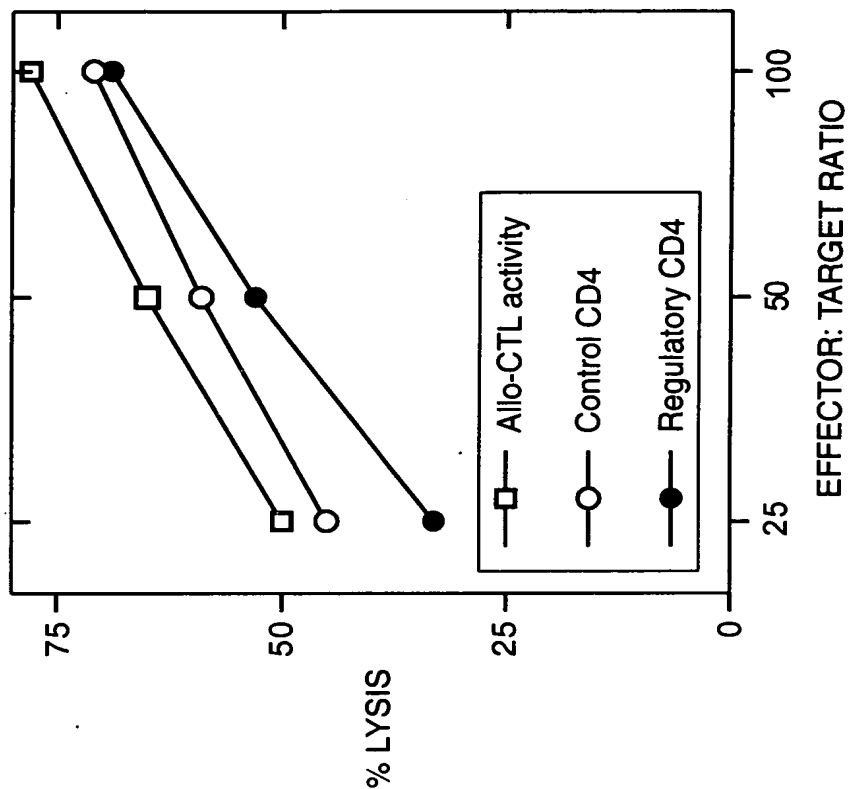


FIG.. 11B

CD4 regulatory T cells require  
cell contact to inhibit  
cytotoxic T lymphocyte activity

With Effector Cells

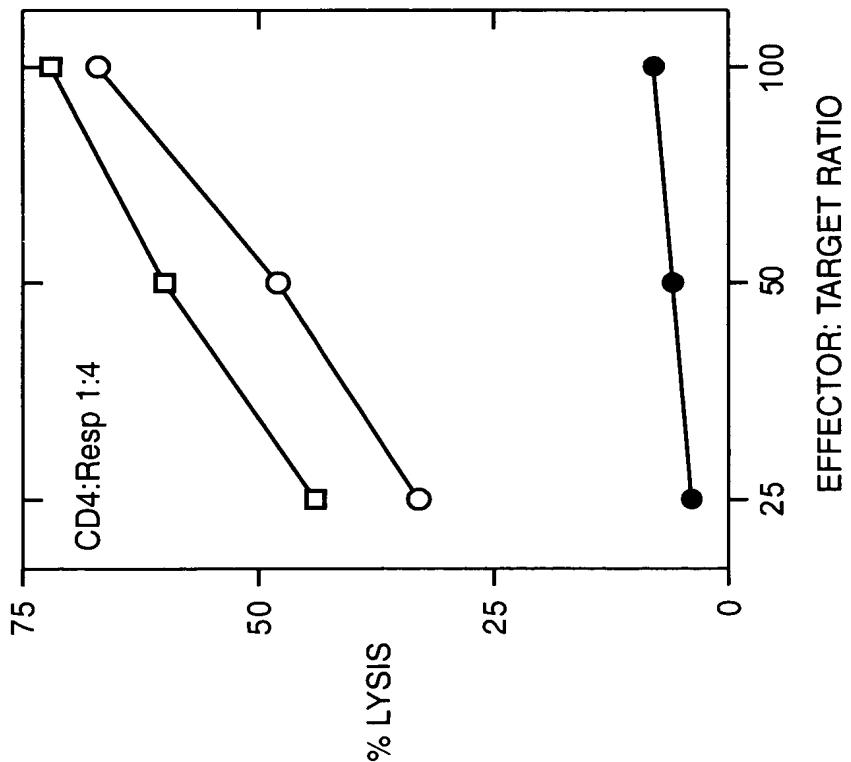
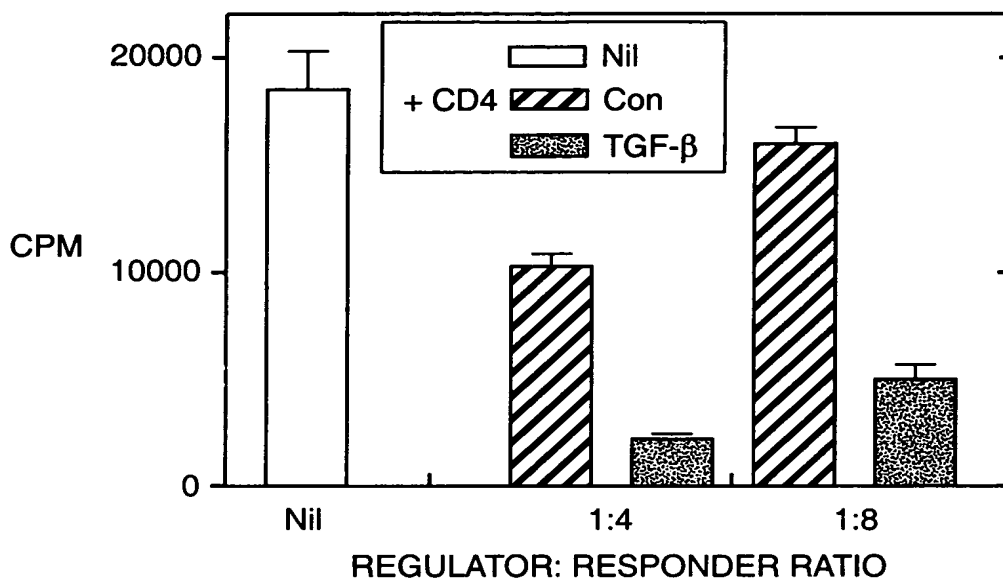
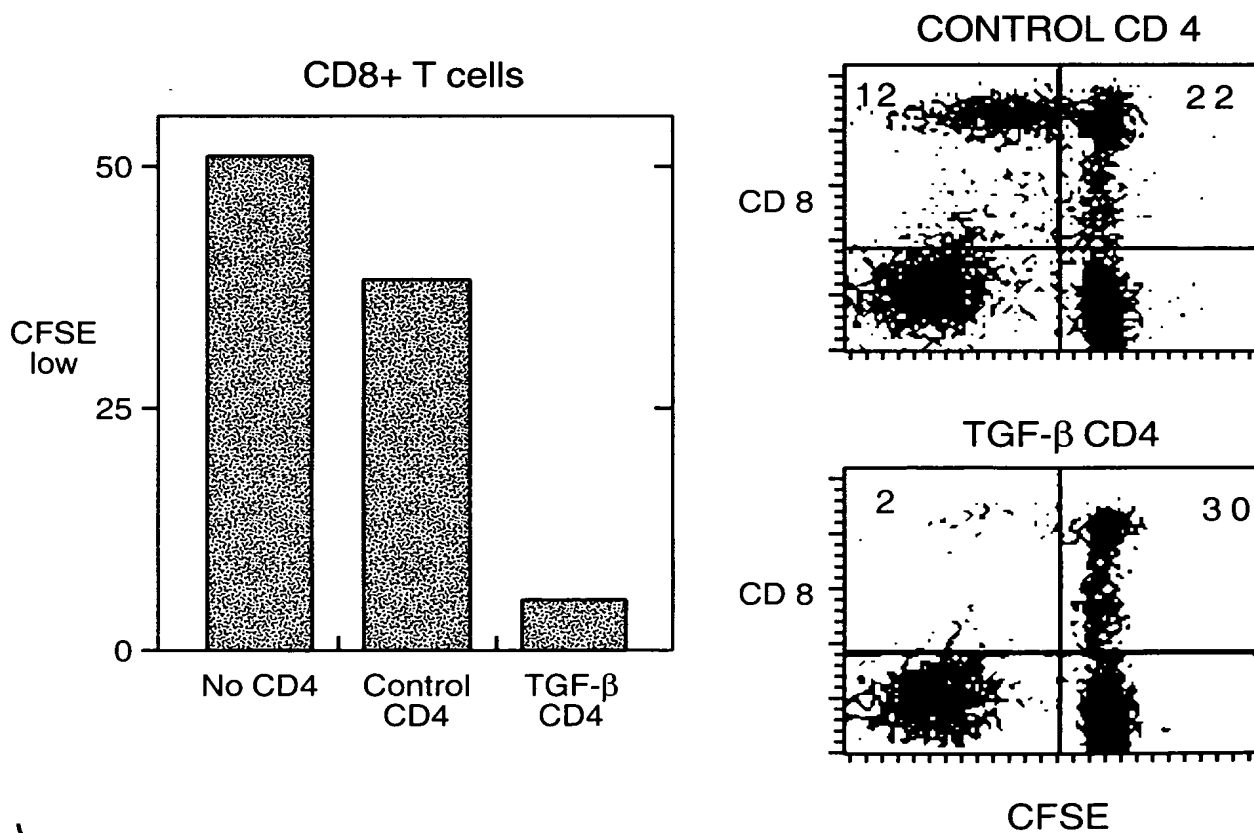


FIG.. 11A



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Suppression of lymphocyte proliferation by regulatory  
CD4+ T cells induced with TGF- $\beta$ **FIG.\_12****FIG.\_13**

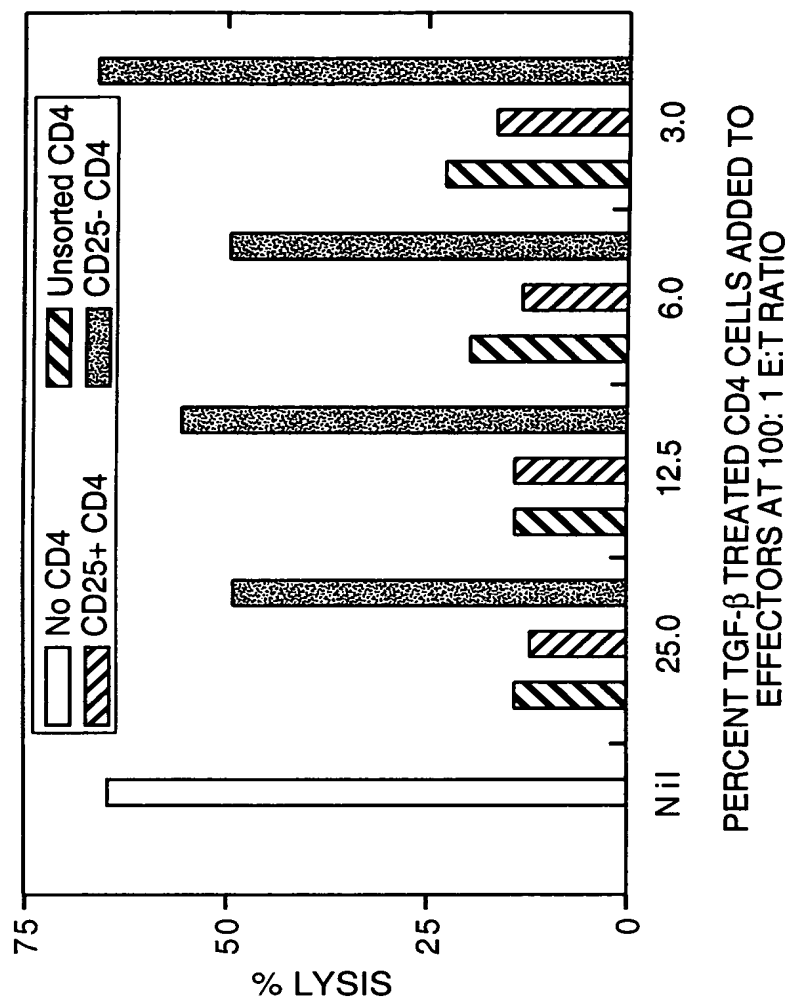


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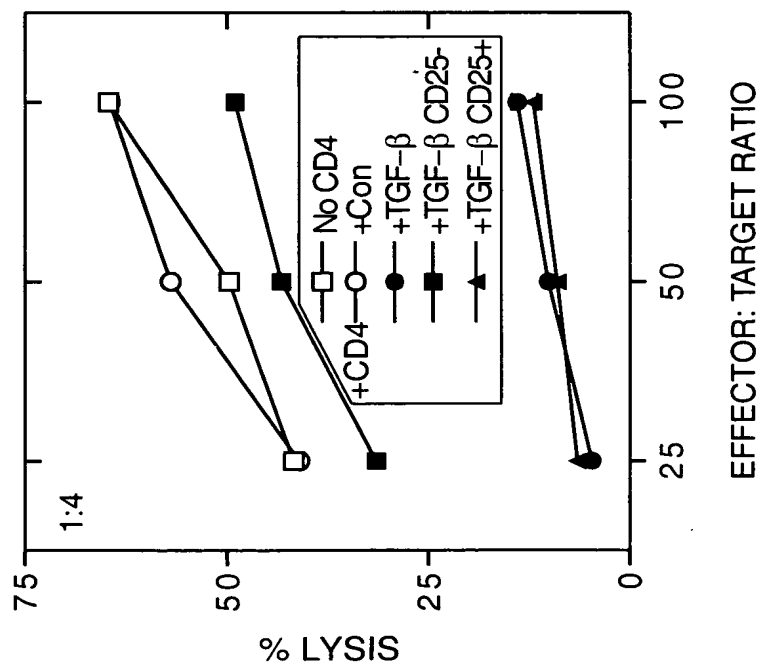
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Regulatory CD4+ T cells are  
CD25+ and are extremely  
potent

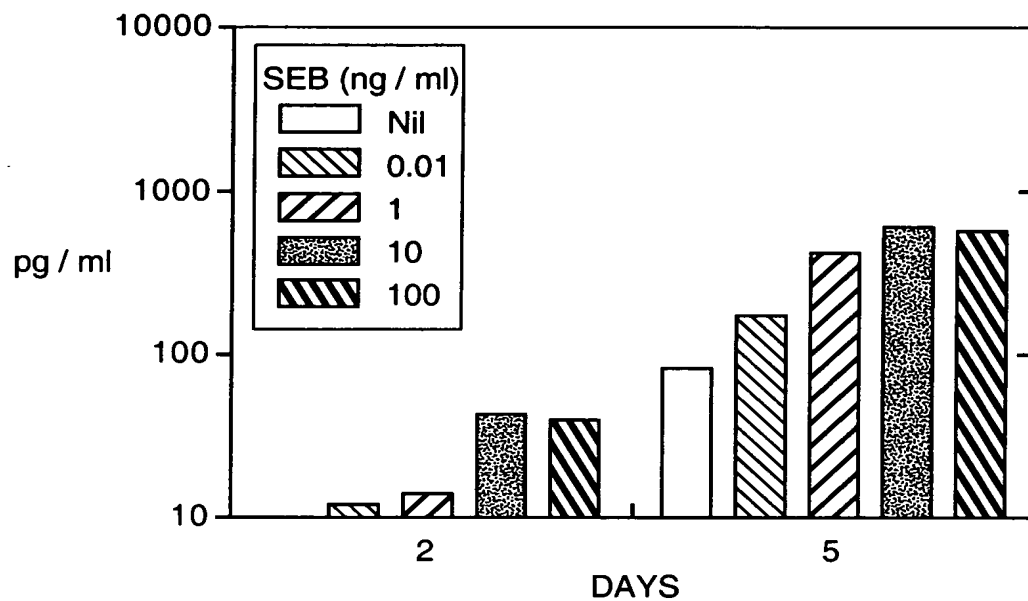
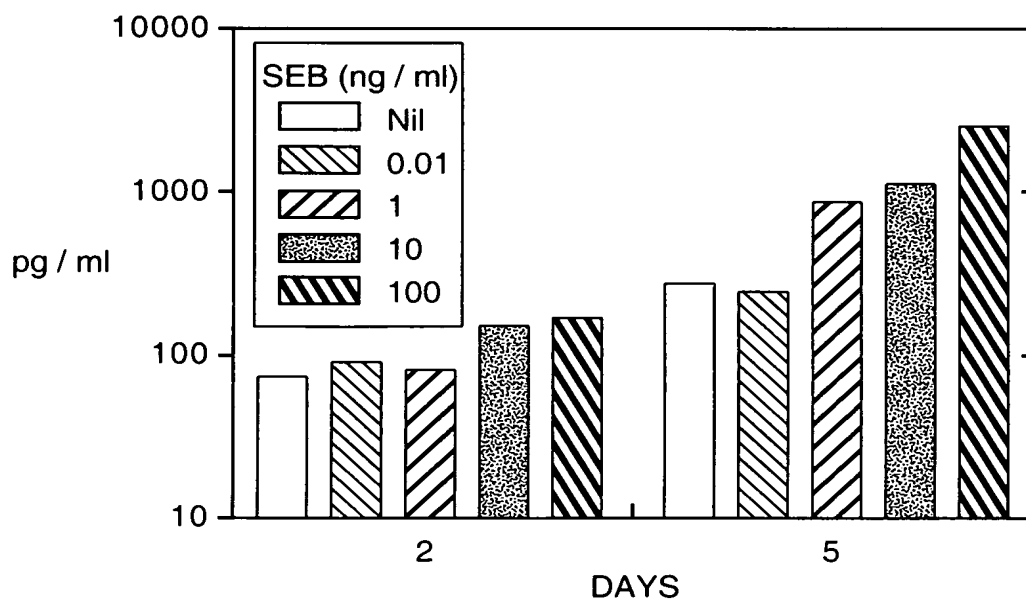


**FIG. 14B**

Regulatory CD4+ T cells are  
CD25+ and are extremely  
potent



**FIG. 14A**

**Active TGF- $\beta$** **FIG.\_15A****Total TGF- $\beta$** **FIG.\_15B**



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Repeated stimulation of CD4+ T cells with low dose SEB  
enables them to produce immunosuppressive levels of TGF- $\beta$

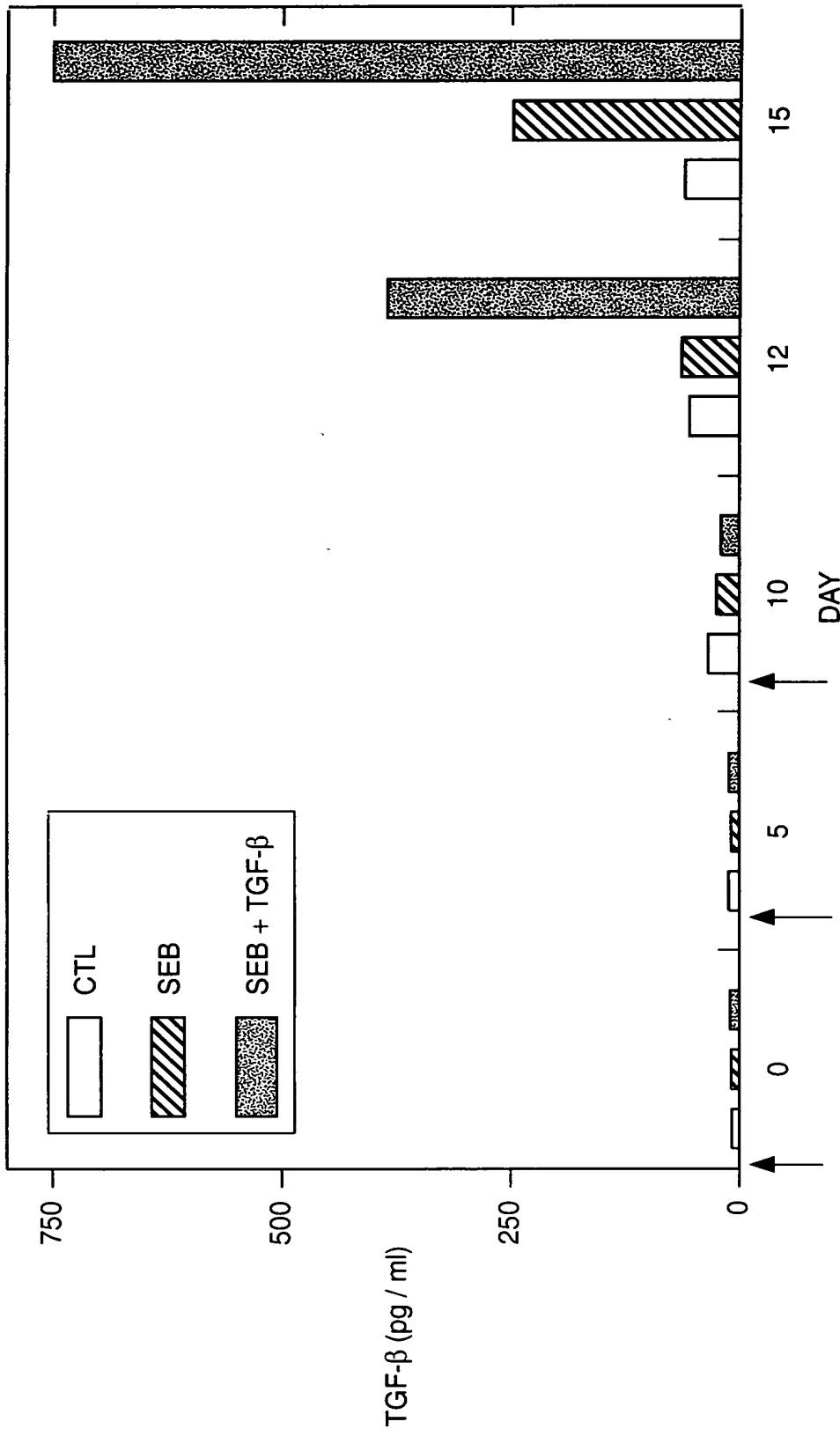
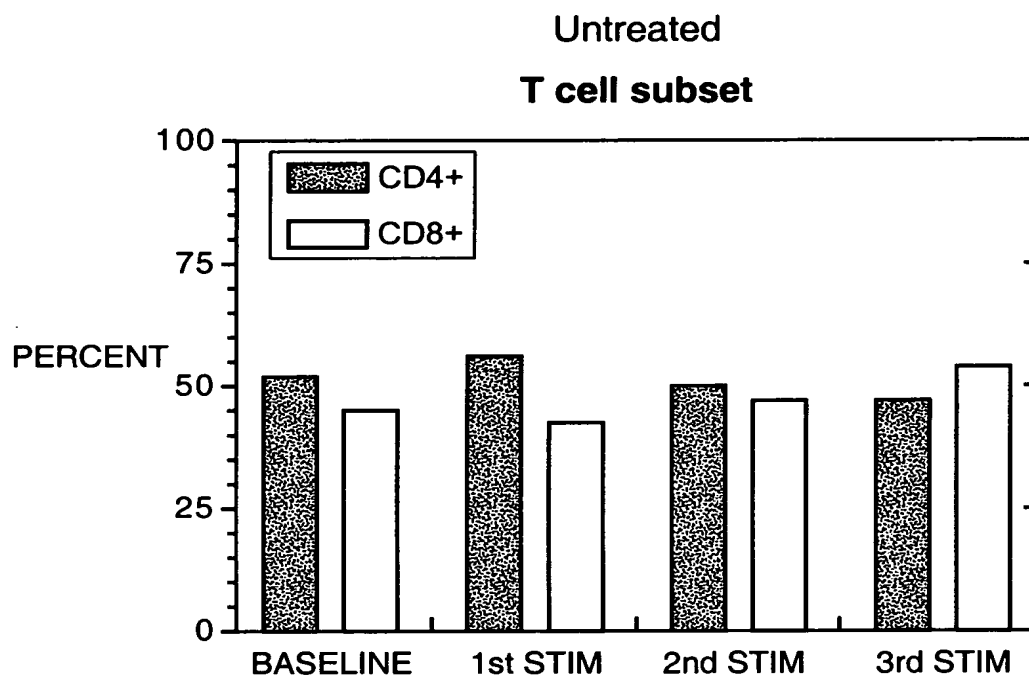
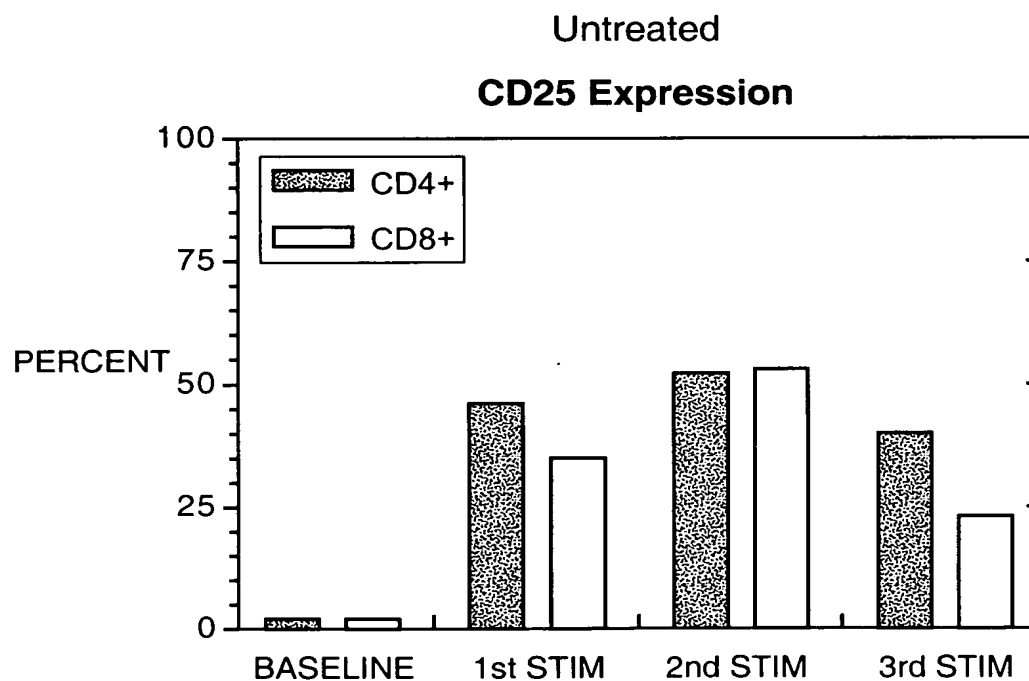
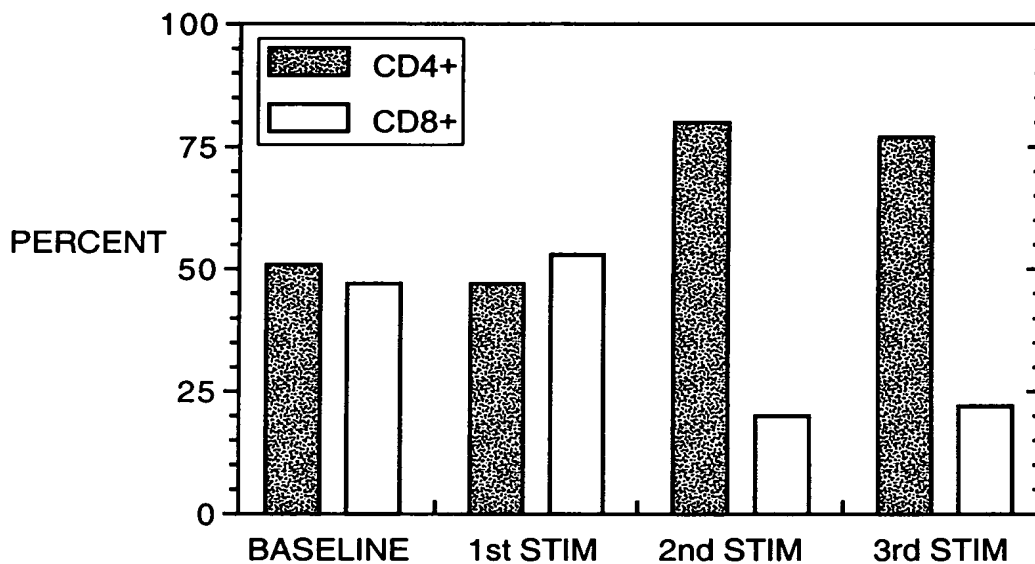
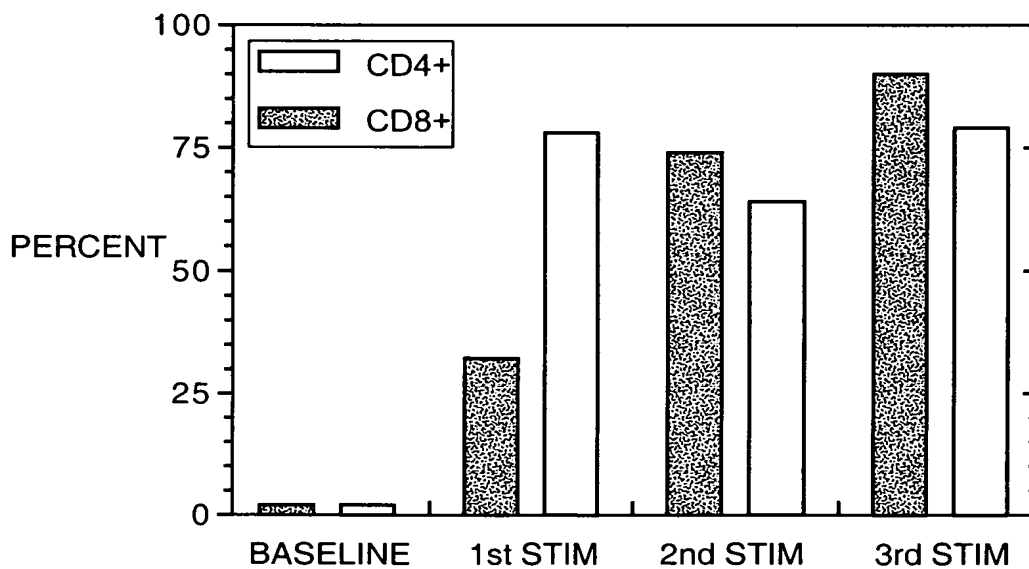


FIG. 16

**FIG.\_17A****FIG.\_17B**

TGF- $\beta$  Treated

T cell subset

**FIG. 17C**TGF- $\beta$  Treated  
CD25 Expression**FIG. 17D**